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Amendments to the Specification:

Please replace the paragraph at page 86, line 4 to line 25 with the following new paragraph:

NCBI holds responsibility for the GenBank® DNA sequence database. The database has been constructed from sequences submitted by individual laboratories and by data exchange with the international nucleotide sequence databases, the European Molecular Biology Laboratory (EMBL) and the DNA Database of Japan (DDBJ), and includes patent sequence data submitted to the U.S. Patent and Trademark Office. In addition to GenBank®, NCBI supports and distributes a variety of databases for the medical and scientific communities. These include the Online Mendelian Inheritance in Man (OMIM), the Molecular Modeling Database (MMDB) of 3D protein structures, the Unique Human Gene Sequence Collection (UniGene), a Gene Map of the Human Genome, the Taxonomy Browser, and the Cancer Genome Anatomy Project (CGAP), in collaboration with the National Cancer Institute. Entrez is NCBI's search and retrieval system that provides users with integrated access to sequence, mapping, taxonomy, and structural data. Entrez also provides graphical views of sequences and chromosome maps. A feature of Entrez is the ability to retrieve related sequences, structures, and references. BLAST, as described herein, is a program for sequence similarity searching developed at NCBI for identifying genes and genetic features that can execute sequence searches against the entire DNA database. Additional software tools provided by NCBI include: Open Reading Frame Finder (ORF Finder), Electronic PCR, and the sequence submission tools, Sequin and BankIt. NCBI's various databases and software tools are available from the WWW or by FTP or by e-mail servers. Further information is available at ~~www.ncbi.nlm.nih.gov~~ ncbi.nlm.nih.gov.

Please replace the paragraph at page 86, line 26 to line 32 with the following new paragraph:

Some biological data available over the internet is data that is generally viewed with a special browser "plug-in" or other executable code. One example of such a system is CHIME, a browser plug-in that allows an interactive virtual 3-dimensional display of molecular structures, including biological molecular structures. Further information regarding CHIME is available at ~~www.mdlchime.com/chime/~~ mdlchime.com/chime/.

Online Oligos, Gene, or Protein Ordering

Please replace the paragraph at page 87, line 1 to line 8 with the following new paragraph:

A variety of companies and institutions provide online systems for ordering biological compounds. Examples of such systems can be found at www.genosys.com/oligo_custinfo.cfm or www.genomicttechnologies.com/Obrowser2_FP.html. Typically, these systems accept some descriptor of a desired biological compound (such as an oligonucleotide, DNA strand, RNA strand, amino acid sequence, etc.) and then the requested compound is manufactured and is shipped to the customer in a liquid solution or other appropriate form.